

20031220.qrp v03\_n140.qrl.20031220

Date: Sat, 20 Dec 2003 19:03:05 EST  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 3140

QRP-L Digest 3140

Topics covered in this issue include:

- 1) [163408] RE: FT-817  
by John Kalotai <n1olo@yahoo.com>
- 2) [163409] Re: sQRPions paddle #15  
by Joe Martin <joe1@km5cw.org>
- 3) [163410] Fwd: Runtime  
by dl6aaf@t-online.de
- 4) [163411] Re: op-amp  
by "Thomas Kuehl" <ac7a@earthlink.net>
- 5) [163412] Re: FT-817  
by Alex <kr1st@amsat.org>
- 6) [163413] Brown Bros. Keyer Part Needed  
by "Don Foster" <k5kw@azalea.net>
- 7) [163414] Hot Dog  
by "Marty Hartwell" <chartwell@worldnet.att.net>
- 8) [163415] Re: WTD: 2N4416, 2SC1307  
by Fran Flynn <fflynn@adelphia.net>
- 9) [163416] FT817 at \$459!  
by goemans <jgoemans@wisc.edu>
- 10) [163417] Re: FT-817  
by "Mike Yetsko" <myetsko@insydesw.com>
- 11) [163418] FW: WWV-Message  
by "rattray" <rattray@accesscomm.ca>
- 12) [163419] 80 meter antenna possibilities  
by James R Giammanco <n5ib@juno.com>
- 13) [163420] Tonights's Streaming Broadcast - 1.810 MHz  
by "Paul Valko - W8KC" <w8kc@comcast.net>
- 14) [163421] Re: DDS and PIC El 160 as combo for R2Pro  
by "Lew Paceley" <lew@paceley.com>
- 15) [163422] Re: DDS and PIC El 160 as combo for R2Pro  
by "George Heron N2APB" <n2apb@clearviewcatv.net>
- 16) [163423] PIC Question  
by "Brad Hernlem" <alihernlem@hotmail.com>
- 17) [163424] Re: Tonights's Streaming Broadcast - 1.810 MHz  
by "Mike WA8BXN" <hubby2k@hotmail.com>
- 18) [163425] Re: OT: Response to old analog bag phone use questions.  
by Richard Clem <clem.law@usa.net>
- 19) [163426] New digi-swr/pwr meter

- by Steven Weber <kd1jv@moose.ncia.net>
- 20) [163427] RE: 80 meter antenna possibilities  
by "David Bixler" <qrp@netins.net>
- 21) [163428] FW: WWV-Message  
by "Steve Yates - AA5TB" <aa5tb@arrl.net>
- 22) [163429] OT: Skip if no Interest in Science-otherwise: Science's  
Breakthroughs Of The Year  
by Ed Tanton <n4xy@earthlink.net>
- 23) [163430] AL7FS has a bit of luck over the North pole  
by Jim Larsen <JimLarsen2002@alaska.net>
- 24) [163431] 3160  
by "carl seyersdahl" <carlseye@tampabay.rr.com>
- 25) [163432] Varicaps  
by Mike M0BST <m0bst@hotmail.com>
- 26) [163433] FOX: K2ZN Hunt 15 - final log  
by Al Scanandoah <k2zn@rochester.rr.com>
- 27) [163434] Re: FT-817  
by "Lee Mairs" <lmairs@direcway.com>
- 28) [163435] Re: FW: WWV-Message  
by Karl Larsen <k5di@zianet.com>
- 29) [163436] Re: 3160  
by "Robert Cerreto" <tonybob@adelphia.net>
- 30) [163437] Construction advice  
by "Thomas Lewis" <thomas\_h\_lewis@msn.com>
- 31) [163438] Re: 80 meter antenna possibilities  
by Bruce Muscolino <w6toy@erols.com>
- 32) [163439] The Truth about Yaesu  
by Karl Larsen <k5di@zianet.com>
- 33) [163440] Re: The Truth about Yaesu  
by "n3drk" <n3drk@triad.rr.com>
- 34) [163441] Re: Construction advice  
by "Mike WA8BXN" <hubby2k@hotmail.com>
- 35) [163442] 73 Magazine Article  
by "NR5A" <nr5a@rap.midco.net>
- 36) [163443] Inverted L question  
by "Mike Duke, K5XU" <k5xu@jam.rr.com>
- 37) [163444] DBMs for auction on eBay  
by "Mike Czuhajewski" <wa8mcq@comcast.net>
- 38) [163445] D104 to IC718  
by "Patrick Schwarz" <kb8rtz@comcast.net>
- 39) [163446] FYBO!! It's getting closer!! (Long)  
by "John Stevens" <jwsteven@concentric.net>
- 40) [163447] Merry Christmas, Happy New Years, Happy Holidays  
by "John Paul Keon" <jpkeon@nc.rr.com>
- 41) [163448] re: Op-amp for SWR bridge  
by Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
- 42) [163449] Re: FYBO!! It's getting closer!! (Long)  
by John Sielke <jsielke@pobox.com>

- 43) [163450] RE: FYB0!! It's getting closer!! (Long)  
by "Fred \((VE3FAL\)" <flesnick@tbaytel.net>
- 44) [163451] Re: 73 Magazine Article  
by Steve Smith <sigcom@juno.com>
- 45) [163452] Re: Inverted L question  
by "Pastor-kc1di" <elbc2@gwi.net>
- 46) [163453] Reminder: Sunday Morning SSB/QRP Net  
by "Ken La Rose" <kenlar@csolve.net>
- 47) [163454] Re: 73 Magazine Article  
by Lee Boulineau <n4mvl@yahoo.com>
- 48) [163455] AT in PA on Sunday  
by "Ron Polityka" <wb3aal@verizon.net>
- 49) [163456] Wow...twenty is HOT!  
by <bill@n4qa.com>
- 50) [163457] Re: FT-817  
by Alex <kr1st@amsat.org>
- 51) [163458] FS: Kits, parts, and projects of all sorts (RockMite, Rainbow  
Tuner, etc)  
by Patrick Gardella <pgardella@yahoo.com>
- 52) [163459] RE:Op amp for swr bridge  
by Peter Burbank <peterlee@qx.net>
- 53) [163460] Happy Holidays  
by "Lawrence Makoski" <Makos327@worldnet.att.net>
- 54) [163461] Re: FT-817  
by "Mike Yetsko" <myetsko@insydesw.com>
- 55) [163462] Re: FYB0!! It's getting closer!! (Long)  
by "Brian Riley (maillist)" <n1bq\_list@wulfdn.org>

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Date: Fri, 19 Dec 2003 15:47:02 -0800 (PST)  
From: John Kalotai <n1olo@yahoo.com>  
To: dleduc@adelphia.net,  
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [163408] RE: FT-817  
Message-ID: <20031219234702.25847.qmail@web80009.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Buy two, they're small.. ;->

HO HO HO

john  
N1OLO

--- David LeDuc <dleduc@adelphia.net> wrote:  
>  
> Gigaparts and HRO has them for the same price. \$569 with \$100  
> rebate.  
>  
>  
>  
> -----Original Message-----  
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On  
> Behalf Of  
> Mike Yetsko  
> Sent: Friday, December 19, 2003 4:58 PM  
> To: Low Power Amateur Radio Discussion  
> Subject: Re: FT-817  
>  
>  
> The AES ad in the QST that arrived yesterday...  
>  
>  
> ----- Original Message -----  
> From: "Ed Lawson" <k1vp@grizzly.com>  
> To: <myetsko@insydesw.com>  
> Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
> Sent: Friday, December 19, 2003 2:59 PM  
> Subject: Re: FT-817  
>  
>  
> > On Fri, 19 Dec 2003 14:45:32 -0500  
> > "Mike Yetsko" <myetsko@insydesw.com> wrote:  
> >  
> > > I see the 817 is down to \$469 ADVERTISED price...  
> > >  
> >  
> > Where? Santa wants to know.  
> >  
> > Ed Lawson  
> > K1VP  
> >

-----  
Date: Fri, 19 Dec 2003 18:00:19 -0600  
From: Joe Martin <joe1@km5cw.org>  
To: QRP-1 <qrp-1@Lehigh.EDU>  
Subject: [163409] Re: sQRPions paddle #15  
Message-ID: <3FE39113.1050604@km5cw.org>  
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

James R Giammanco wrote:

>Finally polished and laquered #15 more or less to my satisfaction. A  
>photo is on my key and paddle page, findable  
>via <<http://www.qsl.net/n5ib>>  
>  
>The link to the keys is about halfway down the right side of the home  
>page. Then the sQRPion paddle is lower right. I want to make a little  
>wood travel case for it next.  
>72  
>Jim N5IB  
>  
>  
FB on #15 Jim, love the way you did the picks. Can't hardly wait to see  
the box you make.  
Hope I can work my ScQRPion with yours Straight Key Night.

--

72 de KM5CW, Joe  
FP#-697 QRP-L#2524 ARCI #11368 FISTS#4217  
GRID EM13kf FtWorth,Tx  
( <http://www.km5cw.org> )  
dit dit

-----  
Date: Sat, 20 Dec 2003 01:33:55 +0100 (CET)  
From: dl6aaf@t-online.de  
To: qrp-l@lehigh.edu  
Subject: [163410] Fwd: Runtime  
Message-ID: <200312200033.hBK0Xut00960@joringel.privnet.de>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

From: DJ7ST @ DB0ABZ.#NDS.DEU.EU (Hartmut)  
To: OQRPWW @ DB0ABZ.#NDS.DEU.EU  
X-Info: Einspielung ohne Passwortschutz

Dear friends,

yesterday, Thursday Dec18th, I have delivered 185 info letters at the  
main post office here in Salzgitter.

If you are among the receivers: please send a short mail at which day (Monday 21st, Tuesday 22nd, Wednesday 23rd....) your postman delivered your letter into your box to DJ7ST@DB0ABZ.

Thank you in advance, merry xmas es cu in OQRP-Contest 27/28th-Dec.

73/2 Hal, DJ7ST

-----  
Date: Fri, 19 Dec 2003 18:01:00 -0700  
From: "Thomas Kuehl" <ac7a@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [163411] Re: op-amp  
Message-ID: <000601c3c694\$bbsd936a0\$120110ac@texas6oef4glwm>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Carl,

<http://www.bgmicro.com/pdf/page5.pdf>

They have the CA3160E, which I think is an 8 pin DIP. The 'E' was the RCA designation. Don't know if is the same as the 'A' package.

Regards, Thomas - AC7A (Tucson)

-----  
Date: Fri, 19 Dec 2003 20:03:03 -0500  
From: Alex <kr1st@amsat.org>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [163412] Re: FT-817  
Message-ID: <3FE39FC7.7B6AED9B@amsat.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Mike Yetsko wrote:

>

> I see the 817 is down to \$469 ADVERTISED price...

897 for 699. Has WX. :)

73,

--Alex KR1ST  
<http://www.kr1st.com>

-----  
Date: Fri, 19 Dec 2003 19:38:00 -0600  
From: "Don Foster" <k5kw@azalea.net>  
To: <QRP-L@Lehigh.EDU>  
Subject: [163413] Brown Bros. Keyer Part Needed  
Message-ID: <001b01c3c699\$ee5bdec0\$3edaab41@21byq>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

After seeing the web pictures of the fine key collection belonging to Jim, N5IB, I was reminded of my damaged Brown Brothers CTL-B key/paddle combo. It took a tumble from the operating desk several years ago and just one part is needed to restore it.

I'm wondering if anyone on this list happens to have any Brown Bros. Keyer parts. Looking for just one of the drilled flat springs that hold one of the levers to the frame. Anybody?

Thanks for the bandwidth.

72,

Don, K5KW  
Fort Gibson, OK

-----  
Date: Fri, 19 Dec 2003 21:14:34 -0500  
From: "Marty Hartwell" <chartwell@worldnet.att.net>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [163414] Hot Dog  
Message-ID: <LCEBJOKPGPNGOAKECJNGGEAGCOAA.chartwell@worldnet.att.net>

Hi all

I just checked the paddle list and I am on it, number 227 Hot dog. I thought I would be in batch three for sure. Well I guess I would be if Jerry hadn't shipped 128 this time.

Anyway Yaaaaaaaaaaaaa!

Na I am not excited.

Marty kd8bj

---

Outgoing mail is certified Virus Free.

Checked by AVG anti-virus system (<http://www.grisoft.com>).

Version: 6.0.547 / Virus Database: 340 - Release Date: 12/2/03

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Date: Fri, 19 Dec 2003 21:26:46 -0500

From: Fran Flynn <[fflynn@adelphia.net](mailto:fflynn@adelphia.net)>

To: qrp-1 <[qrp-1@lehigh.edu](mailto:qrp-1@lehigh.edu)>

Subject: [163415] Re: WTD: 2N4416, 2SC1307

Message-ID: <3FE3B366.8050009@adelphia.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii; format=flowed

Content-Transfer-Encoding: 7bit

My "optimized qrp" rig uses a 2SK30 in place of the 2N4416 in the VFO. It's scavanged from an old VCR. Look in the preamp of an old VCR and you might find an N channel FET you can use. On the other hand, maybe I should go in with you on a parts order, my rig might work better.

It tends to demodulate AMBC signals in the 41 meter band, if the signals get strong enough at night. I think it might be due to VFO output being a bit on the low side, around 3v p-p measured at the VFO FET's source pin. Overall, though, the rig works really well and is a lot of fun to use. I just finished building a "ugly/manhattan" version of the rig for 40m. I can stick a picture of it on a web page if anyone is interested.

Fran km1z

>>Ok, the earlier wants were too easy. Let's try these.

I let the smoke out of a 2N4416 in my Optimized Transceiver VFO, I am in need of one with the smoke still in it.



The 2SC1307 will be a bit harder to find. This will go in place of the final in my 10M FM rig to give it some boost. Idea: anyone have to make an order for RF Parts and can't make the minimum? I could combine and hopefully make the \$25 minimum.

TNX to all for help on these, and a tremendous TNX to those who helped me with the 2N930 and 2N2369 earlier!

72

Howard Kraus, K2UD

-----  
Date: Fri, 19 Dec 2003 20:55:02 -0600  
From: goemans <jgoemans@wisc.edu>  
To: QRP-L <qrp-l@lehigh.edu>  
Subject: [163416] FT817 at \$459!  
Message-ID: <004f01c3c6a4\$aaac9880\$50356880@PAUL>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

Hi all,

I see Texas Towers is selling the FT817 for \$459 with free ground shipping.

Paul R Goemans WA9PWP  
Stoughton, WI 53589  
Norton Antivirus yada-yada

-----  
Date: Fri, 19 Dec 2003 22:00:53 -0500  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <kr1st@amsat.org>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [163417] Re: FT-817  
Message-ID: <008a01c3c6a5\$7c1bb540\$0200a8c0@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

```
> Mike Yetzko wrote:
> >
> > I see the 817 is down to $469 ADVERTISED price...
>
> 897 for 699. Has WX. :)
>
> 73,
> --Alex KR1ST
> http://www.kr1st.com
>
```

Hey, "I" wasn't gonna start that topic again!!

Although I have to admit I've been looking at that FT-897PACK1 setup with the battery and ATU...

No money, but I've been looking...

-----

Date: Fri, 19 Dec 2003 21:26:37 -0600  
From: "rattray" <rattray@accesscomm.ca>  
To: "QRP-C" <qrp-canada@neale.gpfn.sk.ca>, "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [163418] FW: WWV-Message  
Message-ID: <000601c3c6a9\$139d1460\$7900a8c0@Bonnie>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="us-ascii"  
Content-Transfer-Encoding: 7bit

This is interesting...flux 123, A-index of 1 and K-index of 1....WOW!...best I've seen in quite some time...but what's this?...Radio blackouts reaching the R1 level!?!...apparently with what I thought was a good flux, A & K index, we're still getting radio blackouts?....hmmmmm?...72 - Bruce ve5rc/ve5qrp

:Product: Geophysical Alert Message www.txt  
:Issued: 2003 Dec 20 0303 UTC  
# Prepared by the US Dept. of Commerce, NOAA, Space Environment Center  
#  
#               Geophysical Alert Message  
#

Solar-terrestrial indices for 19 December follow.  
Solar flux 123 and mid-latitude A-index 1.  
The mid-latitude K-index at 0300 UTC on 20 December was 1 (6 nT).

No space weather storms were observed for the past 24 hours.

Space weather for the next 24 hours is expected to be minor.  
Radio blackouts reaching the R1 level are expected.

-----  
Date: Fri, 19 Dec 2003 19:41:09 PST  
From: James R Giammanco <n5ib@juno.com>  
To: qrp-l@Lehigh.edu  
Subject: [163419] 80 meter antenna possibilities  
Message-ID: <20031219.223049.8647.4.n5ib@juno.com>

I've been listening a bit around 3560 kHz. Like many, I don't have room for an 80 m dipole or inverted vee, and even the 88 ft doublet won't quite fit. I do have a horizontal loop snaking around the back yard that's approximately a full wave on 40 m.

Even with a good ATU the loop won't load very well on 80 m, but after a suggestion from a list member, I opened the corner of the loop opposite the feed point. With that change it was only "half bad," I could effect an ATU match with VSWR under 1.5 and I managed a few PSK-31 QSOs with the Four State QRP Group last winter using my Warbler. Opening the loop seemed to make it less effective on 40 meters, though. So laziness prevailed and the loop stayed closed and I stayed away from 80 meters.

But a few days ago I was reading an old QST article about coaxial cable traps and decided to make one tuned to 3.6 MHz to install at the far corner of the loop. Murph's "Ham Calc" program has a nice calculator for coax traps. 11 1/4 turns of RG-174 on a piece of 2" PVC came out just about dead on the money when checked with the dipmeter and Rx.

Now the loop loads up nicely on 80 m, and performance appears not noticeably different on 40 and up.

Time to dig out the Warbler again - how about it 4SQR - up for another round of Wednesday Nite Warbles?

Oh.... about 80 m and the Fox Hunts..... how about a pilot program... an 80 m truffle as an experiment. Whatsay piggies?

72

Jim N5IB

-----  
The best thing to hit the internet in years - Juno SpeedBand!  
Surf the web up to FIVE TIMES FASTER!  
Only \$14.95/ month - visit [www.juno.com](http://www.juno.com) to sign up today!

-----  
Date: Fri, 19 Dec 2003 22:46:50 -0500  
From: "Paul Valko - W8KC" <[w8kc@comcast.net](mailto:w8kc@comcast.net)>  
To: "Low Power Amateur Radio Discussion" <[qrp-1@lehigh.edu](mailto:qrp-1@lehigh.edu)>  
Cc: <[tentec@contesting.com](mailto:tentec@contesting.com)>  
Subject: [163420] Tonights's Streaming Broadcast - 1.810 MHz  
Message-ID: <[005601c3c6ab\\$e6a84300\\$6401a8c0@hamshack1](mailto:005601c3c6ab$e6a84300$6401a8c0@hamshack1)>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

<http://www.w8kc.com/stream.aspx>

Can't get on 160M? See what you are missing with tonight's stream of the  
160M QRP Calling freq.

Ten\*Tec Corsair with the 1.8kc SSB Filter in line.

73! =paul= W8KC

Collector of Ten\*Tecs and other fine plastics.

Visit the Virtual Ten\*Tec Museum at <http://mywebpages.comcast.net/w8kc>

-----  
Date: Fri, 19 Dec 2003 22:07:22 -0600  
From: "Lew Paceley" <[lew@paceley.com](mailto:lew@paceley.com)>  
To: "Low Power Amateur Radio Discussion" <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>  
Cc: <[dboley@adelphia.net](mailto:dboley@adelphia.net)>  
Subject: [163421] Re: DDS and PIC El 160 as combo for R2Pro  
Message-ID: <[000301c3c6ae\\$c60f3380\\$6501a8c0@swbell.net](mailto:000301c3c6ae$c60f3380$6501a8c0@swbell.net)>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Hi Dick,

The cleanest solution would be to build a pin compatible DDS Daughtercard workalike around the new Analog Devices AD9854. The AD9854 has both I&Q outputs from the DDS chip while the AD9850 used on the AmQRP DDS daughtercard does not.

Good luck es Happy Holidays.

72/73,  
\*Lew\*  
N5ZE

-----  
Date: Fri, 19 Dec 2003 23:27:20 -0500  
From: "George Heron N2APB" <n2apb@clearviewcatv.net>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [163422] Re: DDS and PIC El 160 as combo for R2Pro  
Message-ID: <031901c3c6b1\$8f91bd70\$6400a8c0@n2apb1>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

A single AD9850 DDS chip (and hence the DDS Daughtercard) produces two "complementary" signals that are approximately 180-deg out of phase, not the 90-deg separated signals required for I-Q quadrature detection on the R2Pro board.

However, the DDS Daughtercard was designed to stack "piggy-backed", thus making two DDS cards conveniently available. Then, coupled with KK7P's suggestion, the two boards/DDS chips could be slaved to produce the quadrature output signals.

Perhaps a better way to achieve this result is to use a DDS chip such as the AD9854 that naturally produces two outputs with 90-deg phase difference. The only pc board I know that is currently (almost) available is the AA0ZZ "IQ-VFO" board, also known as the "High Performance DDS VFO" project as published in QRP Homebrewer magazine, issue #10. (You can see the QHB Extra web page for this project at <http://www.njqrp.org/qhbextra/10/10a.html>.) This board contains several PIC microcontrollers for full "VFO" functionality, and it drives an AD9854 DDS chip to produce some very good quality quadrature signals. Jim Kortge, K8IQY has worked with designer Craig Johnson, AA0ZZ to document some really superb performance results with this board.

The IQ-VFO project is all set to be introduced by the AmQRP Club ... we're just waiting for some bandwidth from current projects before we announce availability.

73, George N2APB

-----  
Date: Sat, 20 Dec 2003 04:30:35 +0000  
From: "Brad Hernlem" <alihernlem@hotmail.com>  
To: qrp-l@lehigh.edu  
Subject: [163423] PIC Question  
Message-ID: <Law9-F122kMxcMGshah000007127@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

I hope that you don't mind me asking this here, but since the Elmer 160 thing is underway I figure there must be some interest/knowledge.

I have a tube of PIC16C54 and PIC16C56 that I would like to use. I only have experience programming PIC16F84 with homebrewed programmers. I understand that the PIC16C5X chips use a parallel type of program data entry and so cannot be programmed with the same hardware. Considering that these chips are OTP and I would like to not waste any on a learning curve, are there any tried and true programs and programmer designs that anyone can recommend to the homebrewer (i.e. not commercial stuff)?

Yeah, I understand that these chips are pretty ancient but certainly they are still useful.

Any comments are greatly appreciated.

Thanks,

Brad

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Worried about inbox overload? Get MSN Extra Storage now!  
<http://join.msn.com/?PAGE=features/es>

-----  
Date: Sat, 20 Dec 2003 00:02:21 -0500 (Eastern Standard Time)  
From: "Mike WA8BXN" <hubby2k@hotmail.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,  
<w8kc@comcast.net>  
Subject: [163424] Re: Tonights's Streaming Broadcast - 1.810 MHz  
Message-ID: <3FE3D7DD.000001.03532@compaq1500>  
MIME-Version: 1.0  
Content-Type: Text/Plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Paul -  
Thanks for setting that up there, I was able to hear myself well from near  
Cleveland, OH using a K2 @ 5W into an 80 m dipole at 25 feet fed with  
balanced line. Time was midnight EST.

73/72 - Mike WA8BXN

-----Original Message-----

From: w8kc@comcast.net  
Date: 12/19/2003 11:20:34 PM  
To: Low Power Amateur Radio Discussion  
Subject: Tonights's Streaming Broadcast - 1.810 MHz

<http://www.w8kc.com/stream.aspx>

Can't get on 160M? See what you are missing with tonight's stream of the  
160M QRP Calling freq.

Ten\*Tec Corsair with the 1.8kc SSB Filter in line.

73! =paul= W8KC  
Collector of Ten\*Tecs and other fine plastics.  
Visit the Virtual Ten\*Tec Museum at <http://mywebpages.comcast.net/w8kc>

-----  
Date: Fri, 19 Dec 2003 23:12:20 -0600  
From: Richard Clem <clem.law@usa.net>  
To: <n4vbw@earthlink.net>  
Cc: <qrp-1@lehigh.edu>  
Subject: [163425] Re: OT: Response to old analog bag phone use questions.  
Message-ID: <642HLTFmu3664S10.1071897140@cmsweb10.cms.usa.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: quoted-printable

There is another option that I think still works for using an old cel pho=

ne.

The last time I checked, when I tried placing a call with an old non-activated cel phone, I was routed to something called "Roamer Plus". That gave you the option of placing a collect or credit card call. They might not be around any more, and it might not work on all systems, but it could come in handy for occasional emergency calls.

If they are still around, there are a couple of warnings to keep in mind:

1. The calls are very expensive. As I recall, it was something along the lines of \$2 per minute.

2. The system would accept a Visa or MasterCard number, but I would be extremely reluctant to use a credit card number over an analog cel phone. In an emergency, however, being able to place a collect call would be handy.

As I recall, this system worked on both analog systems in the Minneapolis-St. Paul area. If it doesn't work the first time you try it, switch the phone from the "A" system to the "B" system. To access this, you dial a number (any seven or ten digit number) and press the "send" button. You get an announcement that the system doesn't recognize you, and your call is transferred, where you are given instructions for placing a call. There is no charge up to this point, so if you want to check it out, you can see if it will work in an emergency without incurring any expense.

It's klunky and expensive, but it has the advantage of not having any upfront cost if you want the phone just for occasional emergencies. I have an old analog cel phone in the car just for this purpose. Again, it's been quite some time since I've tried this, so it's possible that "Roamer Plus" is out of business by now. Also, remember that any phone can be used to call 911 if



n the  
US. Just push 911 and then "Send".

73,  
Rick W0IS

-----  
Date: Sat, 20 Dec 2003 00:21:30 -0500  
From: Steven Weber <kd1jv@moose.ncia.net>  
To: qrp-1@lehigh.edu  
Subject: [163426] New digi-swr/pwr meter  
Message-ID: <3.0.6.32.20031220002130.007be2e0@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Wow, fast track it is! If this was Home Shopping Network, they'd be ringing the bell soon :-)

Okay, here's the plan.  
I'll order boards and parts for a 100 just after the new year, as we're close and not much gets done right until then anyway. Everything should be ready by the last week of January. I'll get back to everyone when we're about ready to ship with a gentle reminder. This looks like it could go well over 100, so we already have plans to hand over the kit to a reputable club to make it available in the long run. More on that when the time comes.

Thanks and have a happy and safe holiday season!

72,  
Steve, KD1JV  
"Melt Solder"  
White Mountains of New Hampshire  
<http://www.qsl.net/kd1jv/>

-----  
Date: Sat, 20 Dec 2003 00:19:27 -0600  
From: "David Bixler" <qrp@netins.net>  
To: <n5ib@juno.com>,  
      "'Low Power Amateur Radio Discussion'" <qrp-1@lehigh.edu>  
Subject: [163427] RE: 80 meter antenna possibilities  
Message-ID: <000201c3c6c1\$397543c0\$067298d1@XPComputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="us-ascii"

Content-Transfer-Encoding: quoted-printable

Jim N5IB wrote: =20

> Time to dig out the Warbler again - how about it 4SQRP - up for  
another round  
> of Wednesday >Nite Warbles? =20

The answer is that we have been warbling every Wednesday all year. Any  
and all QRP'ers are invited to jump in here with us on Wednesday nights  
at 9 PM central time on 3580.5 KHz.

More info is on the 4SQRP web site at: <http://4sqrp.com/>

72, David Bixler                      W0CH  
Seneca, Missouri  
W0CH QRP Web Site:            <http://w0ch.com> or <http://w0ch.net>  
Four State QRP Group:        <http://4sqrp.com> and <http://ozarkcon.com>

QRP: Little Radios, Big Fun!=20

-----  
Date: Sat, 20 Dec 2003 01:08:27 -0600  
From: "Steve Yates - AA5TB" <aa5tb@arrl.net>  
To: "QRP-L Distribute" <qrp-l@Lehigh.EDU>  
Subject: [163428] FW: WWV-Message  
Message-ID: <000301c3c6c8\$12296f10\$0100a8c0@MAIN>  
MIME-Version: 1.0  
Content-Type: text/plain;  
              charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Bruce,

I agree that it seems weird but when I remember back I think this is  
about normal near the winter solstice on the downhill side of the  
sunspot cycle. I would suspect that the blackouts at R1 levels at this  
time are due to the "lack" of an ionosphere (low MUF) rather than high  
absorbtion as usual. If not then it is truly a mystery to me.

If you look at the 3000 km path MUFs (Maximum Useable Frequency) near  
the bottom of the Web page below you can see the "ionospheric hole" over  
the US at our night but in other parts of the world it looks like 6m  
could even be open on some DX paths.

<http://dx.qsl.net/propagation/propagation.html>

The numbers do indicate the bands should be great and I think they probably are for much of the world, just not us at night. It looks like 160m and 80m are our "work horses" for a while at night.

73,  
Steve Yates - AA5TB  
Fort Worth, TX

<http://www.qsl.net/aa5tb/>

-----  
Date: Sat, 20 Dec 2003 03:38:33 -0500  
From: Ed Tanton <n4xy@earthlink.net>  
To: QRP-L <qrp-l@lehigh.edu>, noga <nogaqrp@mailman.qth.net>  
Subject: [163429] OT: Skip if no Interest in Science-otherwise: Science's  
Breakthroughs Of The Year  
Message-ID: <6.0.0.22.2.20031220033507.045f2ab0@pop.earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Source: American Association For The Advancement Of Science

Date: 2003-12-19

Science's Breakthrough Of The Year: Illumination Of The Dark, Expanding  
Universe

In 2003, new evidence cemented the bizarre idea that the universe is made mostly of mysterious "dark matter," being stretched apart by an unknown force called "dark energy." This set of discoveries claims top honors as the Breakthrough of the Year, named by Science and its publisher, AAAS, the nonprofit science society.

What's Related

"Dark Energy" Dominates The Universe

Galaxy Cluster Surveys May Help Explain "Dark Energy" In The Universe

Chandra Probes Nature Of Dark Matter more related stories

Related sections: Space & Time, Matter & Energy

These insights into our "dark" universe plus nine other research advances make up Science's top ten scientific developments in 2003, chosen for their profound implications for society and the advancement of science. The Top Ten list appears in the journal's 19 December issue.

This year, information from the Wilkinson Microwave Anisotropy Probe (WMAP) satellite and the Sloan Digital Sky Survey (SDSS) telescopes confirmed some of cosmologists' strangest proposals about the fate of the universe.

"The implications of these discoveries about the universe are truly stunning. Cosmologists have been trying for years to confirm the hypothesis of a dark universe. Science is glad to recognize their success in this effort as the Breakthrough of the Year for 2003," said Don Kennedy, Editor-in-Chief of Science.

Those proposals entered the spotlight five years earlier, when Science's 1998 Breakthrough of the Year honored the discovery that the universe was expanding. Such an expansion would likely be driven by a "dark energy" that counters the effects of gravity. At the time, however, many cosmologists were wary of this strange idea.

Their doubts were dispelled in 2003. WMAP took the most detailed picture ever of the cosmic microwave background -- the light emitted by the universe during the first instant of its existence. By analyzing patterns in this light, researchers concluded that the universe is only 4 percent ordinary matter. Twenty-three percent is dark matter, which astrophysicists believe is made up of a currently unknown particle. The remainder, 73 percent, is dark energy.

WMAP also nailed down other basic properties of the universe, including its age (13.7 billion years old), expansion rate and density.

The SDSS, an effort to map out a million galaxies, also made major contribution to our understanding of the universe this year. By analyzing how galaxies are spread out through space, the researchers can see if the galaxies are being pulled apart by dark energy or pushed together by gravity.

In October, the SDSS team reported its analysis of the first quarter-million galaxies. Its conclusion was the same as WMAP's: the universe is dominated by dark energy.

Science also salutes nine other scientific achievements of 2003. Except for the first runner up, the others are in no particular order.

**Cracking Mental Illness:** Researchers identified particular genes that reliably increase one's risk of inherited disorders, such as schizophrenia,

depression and bipolar disorder. Scientists are now working to understand how these genes can distort the brain's information processing and prod someone into mental illness. Researchers hope to understand brain biases underlying mental illnesses well enough to design drugs to repair them.

Climate Change Impacts: Global warming was no longer an abstract concept in 2003. Scientists reported melting ice, droughts, decreased plant productivity, and altered plant and animal behavior.

RNA Advances: In 2003, Scientists explored how small RNAs, Science's breakthrough of 2002, impact a cell's behavior, from early development to gene expression. Harnessing the power of "small interfering RNAs" may help researchers combat diseases such as HIV and hepatitis by controlling specific protein production.

Zooming in on Single Molecules: New collaborations between biologists and physicists captured the activities of individual molecules inside cells. Research this year offered a look at molecular motors, colored nanocrystal tags attached to cell receptors and a single enzyme digesting DNA.

Starbursts and Gamma Rays: Scientists improved our understanding of the most energetic explosions in the universe: tremendous blasts of energy called gamma ray bursts. Astronomers confirmed the connection between gamma ray bursts and supernovas--explosions of massive stars--when they spotted the unmistakable fingerprint of a supernova in the glow of a bright gamma ray burst. NASA's Swift satellite set for launch in mid-2004 should catch gamma ray bursts at five times the rate of any previous mission.

Spontaneous Sperm and Egg Cells: The surprising discovery that mouse embryonic stem cells can develop into both sperm and eggs may help scientists learn how these sex cells develop and why some kinds of infertility arise. The possibility that human embryonic stem cells might someday become a source for human eggs also raised serious ethical questions.

Left-Handed Materials: After two years of debate, several research teams confirmed that certain high-tech materials can bend light and other electromagnetic radiation in the "wrong" direction. Scientists used this new class of materials to produce an inverse Doppler Effect and are also working to craft better lenses.

The Self-Reliant Y Chromosome: In 2003, the genetic sequence of the human male Y chromosome revealed why this loner chromosome doesn't need a partner. It has duplicate genes, arranged as mirror-image "palindromes." Thus, when mutations arise and a new gene copy is needed, a twin copy is on-hand.

Breakthrough Cancer Therapies?: In June of 2003, researchers announced that an antiangiogenesis drug, given with conventional chemotherapy drugs in a

large clinical trial, prolonged the lives of patients with advanced colon cancer. Antiangiogenesis drugs starve tumors by preventing blood vessel growth. With around 60 different antiangiogenesis drugs currently in clinical trials against a wide variety of cancers, researchers and patients now appear poised to reap the benefits of angiogenesis research.

Special SARS Section: Severe acute respiratory syndrome (SARS) clamored onto the world stage in March 2003 after first appearing in November 2002. SARS served as a reminder that new infectious diseases can emerge at any time--and that they don't have to sicken a lot of people to choke national economies. Thanks to worldwide collaboration, scientists definitively nailed the agent, a member of the coronavirus family, only five weeks after the World Health Organization sounded a global alarm. In the end, low-tech public health measures, such as strict isolation of patients, eventually cornered the virus after more than 8,400 reported cases and more than 916 deaths.

Science's Breakdown of the Year emerged on 1 February 2003, when the space shuttle Columbia disintegrated as it re-entered the atmosphere after a science mission. The tragedy left seven dead, the shuttle fleet grounded and NASA's future in question. Much of 2004 could be dedicated to a reexamination of NASA's civil space program.

Where Researchers Might Soar in 2004: As in previous years, Science highlighted areas to watch in 2004. This year, their choices include three planned Mars landings, microbiology and genomics for biodefense, more insights into the human genome, open access scientific journals, soils' impact on climate change and sustainable agriculture, the debate over the costs and benefits of tighter security and anti-terror measures in the realm of science, and studies of the heavy "bottom" quark.

###

Founded in 1848, AAAS has worked to advance science for human well-being through its projects, programs, and publications, in the areas of science policy, science education and international scientific cooperation. AAAS and its journal, Science, report nearly 140,000 individual and institutional subscribers, plus 272 affiliated organizations in more than 130 countries, serving a total of 10 million individuals. Thus, AAAS is the world's largest general federation of scientists. Science is an editorially independent, multidisciplinary, peer-reviewed weekly that ranks among the world's most prestigious scientific journals. AAAS administers EurekAlert! (<http://www.eurekalert.org>), the online news service, featuring the latest discoveries in science and technology.

This story has been adapted from a news release issued by American Association For The Advancement Of Science

72/73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY  
189 Pioneer Trail  
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by  
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;  
SEDXC NCDXA GACW QRP-ARCI  
OK-QRP QRP-L #758 K2 (FT) #00057

-----  
"He that gives up a little liberty to gain  
temporary security will lose both and  
deserve neither".  
--Benjamin Franklin

"Suppose you were an idiot ...  
and suppose you were a member of  
Congress... but I repeat myself."  
--Mark Twain  
-----

-----  
Date: Sat, 20 Dec 2003 03:12:29 -0900  
From: Jim Larsen <JimLarsen2002@alaska.net>  
To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>,  
GQRP Mail List <GQRP@yahooogroups.com>,  
Subject: [163430] AL7FS has a bit of luck over the North pole  
Message-ID: <3FE43CAD.6020101@alaska.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

Greetings from Alaska,

Well, I turned on the radio just before I was going to bed and heard an OK1 calling CQ. Turns out he was QRP and I worked him with my 5 watts on the Elecraft K2. I then managed OH1, UX5 and RA1. Both the OK1 and OH1 were on dipoles. This was from 1055z-1135z. The band seemed to die after that.

It has been a long time since I have been able to work stations over the pole.  
This is a good thing. I am pleased. :-)

73, Jim

--

Jim Larsen, AL7FS  
Anchorage, Alaska  
<http://www.qsl.net/al7fs>

-----  
Date: Sat, 20 Dec 2003 07:27:25 -0500  
From: "carl seyersdahl" <carlseye@tampabay.rr.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [163431] 3160  
Message-ID: <004f01c3c6f4\$a0142320\$073eca44@tampabay.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Thanks to all who have responded to my question on the ca3160!!!! I have several sources for the unit , BUT, they all want about 6.00 for s/h, which is a little steep for one or two items as small as these are. If there should perchance be anyone else who wants something like this I could order several and thus make it worthwhile to pay the S/H . If not then I just may forget it!!!!

six bucks for a one or two dollar part doesn't make sense!!!!!!!!!!

carl / kz5ca

-----  
Date: Sat, 20 Dec 2003 12:14:49 -0800  
From: Mike M0BST <m0bst@hotpop.com>  
To: qrp-l@lehigh.edu  
Subject: [163432] Varicaps  
Message-ID: <3FE4ADB9.1602@hotpop.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hello,

I'm having difficulty sourcing the MV2104 varicap diode here in the UK.



Can anyone recomend a source in the US/Canada?

OR...an alternative device with approxiamately the same characteristics?

Thanks for your help.... and I'll take this chance to wish everyone a happy Christmas and new year.

QRPeace 72

Mike, M0BST

-----  
Date: Sat, 20 Dec 2003 08:34:24 -0500  
From: Al Scanandoah <k2zn@rochester.rr.com>  
To: qrp-l <qrp-l@lehigh.edu>  
Subject: [163433] FOX: K2ZN Hunt 15 - final log  
Message-ID: <3FE44FE0.5010600@rochester.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

0202	N1TP	549	559	FL	TOM	5W
0203	N4ROA	539	559	VA	DAN	5W
0209	W5YR	579	559	TX	GEORGE	5W
0211	KW4JS	559	559	TN	JOHN	5W
0214	N1FN	559	559	CO	ET	5W
0215	AB0CD	559	559	CO	DICK	5W
0217	W5USJ	549	449	TX	CHUCK	5W
0225	W4FOA	569	559	GA	TONY	5W
0231	W9XT	559	559	WI	GARY	5W
0239	W9XU	539	559	WI	LON	5W
0242	N9AU	539	559	WI	RON	5W
0244	W0PWE	599	559	IA	JERRY	5W
0249	KV2X	529	559	NY	TOM	5W
0254	KQ5U	549	559	TX	TERRY	5W
0256	K5EOA	559	559	LA	WAYNE	5W
0258	AA50	569	559	LA	VERN	5W
0336	KD5UDB	559	559	LA	CHRIS	5W
0340	K5JHP	549	559	TX	BILL	5W
0343	AF4LQ	549	339	KY	MIKE	3W
0345	N5ZE	559	559	TX	LEW	5W
0348	W5TB	559	559	TX	DOC	5W
0355	K5MVR	549	339	TX	RON	5W
0356	K5SR	579	559	TX	DALE	5W

0358	K5TR	559	559	TX	GEORGE	5W
0400	N0IT	xxx	xxx	MO	FOX	5W
0400	K2ZN	xxx	xxx	NY	FOX	5W

-----  
Date: Sat, 20 Dec 2003 09:00:51 -0500  
From: "Lee Mairs" <lmairs@direcway.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [163434] Re: FT-817  
Message-ID: <031401c3c701\$ad5c06d0\$2202a8c0@J4>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Funny! I been looking at it too.  
73 de Lee, KM4YY/8

----- Original Message -----  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Friday, December 19, 2003 10:00 PM  
Subject: Re: FT-817

> > Mike Yetsko wrote:  
> > >  
> > > I see the 817 is down to \$469 ADVERTISED price...  
> >  
> > 897 for 699. Has WX. :)  
> >  
> > 73,  
> > --Alex KR1ST  
> > <http://www.kr1st.com>  
> >  
>  
> Hey, "I" wasn't gonna start that topic again!!  
>  
> Although I have to admit I've been looking at that FT-897PACK1  
> setup with the battery and ATU...  
>  
> No money, but I've been looking...  
>  
>

Date: Sat, 20 Dec 2003 07:21:43 -0700 (MST)  
From: Karl Larsen <k5di@zianet.com>  
To: rattray <rattray@accesscomm.ca>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [163435] Re: FW: WWV-Message  
Message-ID: <Pine.LNX.4.44.0312200717240.4698-100000@bucket.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 19 Dec 2003, rattray wrote:

>  
>  
> This is interesting...flux 123, A-index of 1 and K-index of  
> 1....WOW!...best I've seen in quite some time...but what's this?...Radio  
> blackouts reaching the R1 level!?...apparently with what I thought was  
> a good flux, A & K index, we're still getting radio  
> blackouts?....hmmmmm?...72 - Bruce ve5rc/ve5qrp

Bruce, we need to get Paul Hadin in Socorro NM on to this event.  
It's clear that long held ideas about the Flux, A and K numbers are  
WRONG! I was banbosaled by this two days ago when I first saw the  
'good' numbers but found none of the beacons could be copied here.

>  
>  
> :Product: Geophysical Alert Message www.txt  
> :Issued: 2003 Dec 20 0303 UTC  
> # Prepared by the US Dept. of Commerce, NOAA, Space Environment Center  
> #  
> # Geophysical Alert Message  
> #  
> Solar-terrestrial indices for 19 December follow.  
> Solar flux 123 and mid-latitude A-index 1.  
> The mid-latitude K-index at 0300 UTC on 20 December was 1 (6 nT).  
>  
> No space weather storms were observed for the past 24 hours.  
>  
> Space weather for the next 24 hours is expected to be minor.  
> Radio blackouts reaching the R1 level are expected.  
>  
>  
>  
>

--

- Karl Larsen k5di Las Cruces, NM Az ScQRPions -

-----  
Date: Sat, 20 Dec 2003 09:49:24 -0500  
From: "Robert Cerreto" <tonybob@adelphia.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [163436] Re: 3160  
Message-ID: <000001c3c708\$7695cb20\$c15dab44@clvdoh.adelphia.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Carl,

I agree. I have that problem all the time. Fortunately I have a couple of friends who will usually want some parts. So, Add yourself to that list.

Let me know where you will do business and I will probably find something to order along with you!!!!

In the meantime let me check my junkbox for some CA3160's

Bob WA1FXT

-----  
Date: Sat, 20 Dec 2003 09:58:47 -0500  
From: "Thomas Lewis" <thomas\_h\_lewis@msn.com>  
To: qrp-1@Lehigh.EDU  
Subject: [163437] Construction advice  
Message-ID: <BAY5-F11Fx1wKJ2R92b00053b21@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Sometimes you just have to ask.

I'm building the tenna-dipper. The leads on the 22pF disk caps have to be reformed to fit into the 0.10 in. holes on the board. So, do I carefully reform the leads keeping the coating on the leads intact (and thus keeping the cap above the board) or should I carefully remove enough coating on the leads to allow the cap to sit on the board?

Thanks

Tom  
K4THL

-----  
Working moms: Find helpful tips here on managing kids, home, work and yourself. <http://special.msn.com/msnbc/workingmom.armx>

-----  
Date: Sat, 20 Dec 2003 11:51:07 -0500  
From: Bruce Muscolino <w6toy@erols.com>  
To: n5ib@juno.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [163438] Re: 80 meter antenna possibilities  
Message-ID: <3FE47DFB.476F0392@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Many of us do not have the room for a traditional half wave antenna on 80 meters. Even those of us who are fortunate enough to have the room may not want to be so obvious to their neighbors. What tot do?

Look for alternate antenna possibilities. I did and was rewarded, so can you. There are any number of vertical antennas which are used at 80 meters and WILL FIT ANY PROPERTY. You will have to learn about grounds, but that is part of ham radio!

There are other types of wire antennas that can be used. If you can fit a 66 foot wire into your lot you have a quarter wave atnyenna that can be made to work on 80. I successfully used a 40 foot "long wire" on 80; it required a very good ground, but it worked!

Try tying the two ends of your 40 meter loop together and operating them against a good ground. They'll probably surprise you with their performance.

Experiment or go QRT.

73

-----

Date: Sat, 20 Dec 2003 10:05:40 -0700 (MST)  
From: Karl Larsen <k5di@zianet.com>  
To: qrp-l@lehigh.edu  
Subject: [163439] The Truth about Yaesu  
Message-ID: <Pine.LNX.4.44.0312200932390.4698-100000@bucket.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

If your a guy who says "I will NEVER own a radio with menus" then you should never buy a new Yaesu. If your like the guy above but are willing to learn, then you will learn to \*LOVE\* menus and Yaesu.

All the Yaesu radios beginning with the FT-817 have very few knobs and buttons. But it seems that every knob has 3 functions and every button up to 4 functions, depending on what happend last, or how long you hold the button down.

All of this causes the first guy above to sell his Yaesu FT-XXX a week after he gets it. It causes others to just panic and study the owners manual. It makes me smile because I understand this technique.

The little FT-817 has 57 Standard Menu Items! If you press the orange F key fully for a second you can look at all 57 items. If you just tap the F key you get some more menus of common functions like keyer on-off, preamp on-off, ect.

The tiny VX-2R handy-talkie has 48 Standard Menu Items. It takes hours to learn what each Item does. You discover you can do some really good things with this radio. I learned to scan a whole band and I have it set to linger on a busy frequency for 3 seconds. I can stop it and write down the frequency. Then save these frequencies to memory. Then scan the memory section. An Item also puts CTCSS tones on your transmission when needed.

So if you decide to buy a Yaesu be warned; you need to learn to use menues and multi-function buttons. If you like lots of knobs and buttons buy Icom.

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

-----

Date: Sat, 20 Dec 2003 12:40:57 -0500  
From: "n3drk" <n3drk@triad.rr.com>  
To: <k5di@zianet.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [163440] Re: The Truth about Yaesu  
Message-ID: <007201c3c720\$6d28d7e0\$6400a8c0@n3drk>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Except for the Yaesu FT-1000MP Mark V  
73's  
john

----- Original Message -----

From: "Karl Larsen" <k5di@zianet.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Saturday, December 20, 2003 12:05 PM  
Subject: The Truth about Yaesu

>  
> If your a guy who says "I will NEVER own a radio with menus"  
> then you should never buy a new Yaesu. If your like the guy above but  
> are willing to learn, then you will learn to \*LOVE\* menus and Yaesu.  
>  
> All the Yaesu radios beginning with the FT-817 have very few  
> knobs and buttons. But it seems that every knob has 3 functions and  
> every button up to 4 functions, depending on what happend last, or how  
> long you hold the button down.  
>  
> All of this causes the first guy above to sell his Yaesu FT-XXX  
> a week after he gets it. It causes others to just panic and study the  
> owners manual. It makes me smile because I understand this technique.  
>  
> The little FT-817 has 57 Standard Menu Items! If you press the  
> orange F key fully for a second you can look at all 57 items. If you  
> just tap the F key you get some more menus of common functions like  
> keyer on-off, preamp on-off, ect.  
>  
> The tiny VX-2R handy-talkie has 48 Standard Menu Items. It takes  
> hours to learn what each Item does. You discover you can do some really  
> good things with this radio. I learned to scan a whole band and I have  
> it set to linger on a busy frequency for 3 seconds. I can stop it and  
> write down the frequency. Then save these frequencies to memory. Then  
> scan the memory section. An Item also puts CTCSS tones on your  
> transmission when needed.

>  
> So if you decide to buy a Yaesu be warned; you need to learn to  
> use menus and multi-function buttons. If you like lots of knobs and  
> buttons buy Icom.  
>  
>  
>  
> --  
>  
> - Karl Larsen k5di Las Cruces, NM Az ScQRPions -  
>  
>

-----  
Date: Sat, 20 Dec 2003 12:41:51 -0500 (Eastern Standard Time)  
From: "Mike WA8BXN" <hubby2k@hotmail.com>  
To: <qrp-1@Lehigh.EDU>, <thomas\_h\_lewis@msn.com>  
Subject: [163441] Re: Construction advice  
Message-ID: <3FE489DF.000001.02712@etower>  
MIME-Version: 1.0  
Content-Type: Text/Plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

You can carefully remove the coating on the leads.

-----Original Message-----

From: thomas\_h\_lewis@msn.com  
Date: 12/20/03 10:39:17  
To: Low Power Amateur Radio Discussion  
Subject: Construction advice

Sometimes you just have to ask.

I'm building the tenna-dipper. The leads on the 22pF disk caps have to be reformed to fit into the 0.10 in. holes on the board. So, do I carefully reform the leads keeping the coating on the leads intact (and thus keeping the cap above the board) or should I carefully remove enough coating on the leads to allow the cap to sit on the board?

Thanks

Tom  
K4THL

-----



Working moms: Find helpful tips here on managing kids, home, work and yourself. <http://special.msn.com/msnbc/workingmom.armx>

-----  
Date: Sat, 20 Dec 2003 10:55:07 -0700  
From: "NR5A" <nr5a@rap.midco.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [163442] 73 Magazine Article  
Message-ID: <006e01c3c722\$6774f700\$3865dc18@jerry>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

A talk at our ham club meeting last night about regen radios has got me interested in playing with them again. I even dug out my 6C8 regen rx out of the shed.

There was a article in a 73mag that featured a regen and transmitter. If I remember right you could build it up one way, then the article had different things you could do to it. I think it used 6SN7's, maybe it was a single one. It was built on a piece of wood. All I can remember about the transmitter was I think it worked 80 & 40m, and used a cheapie slide switch for the bandswitch. I can almost picture the cover seems like it was green and yellow. But of course darn if I can find it now, it probably got tossed years ago. Anyone remember this? I'd like to get a copy of the article, or buy the mag if someone has it!

Thanks

Jerry - NR5A - South Dakota

-----  
Date: Sat, 20 Dec 2003 12:05:38 -0600  
From: "Mike Duke, K5XU" <k5xu@jam.rr.com>  
To: "qrp list" <qrp-l@lehigh.edu>  
Subject: [163443] Inverted L question  
Message-ID: <008201c3c723\$e19f4480\$83d0a418@jam.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

The end fed inverted L is a good way to fit at least a quarter wave for 80 or 160 into a small yard. Like a quarter wave vertical, the inverted L requires a good ground system for best results.

I have the antenna for 160 which was sold by Jade Products as the "end fed Marconi." It's basically a quarter wave of twin lead with shorts in appropriate places.

I have a tree the right distance from my tower to support the far end of this antenna.

My question is that when using a tower to support the vertical portion of an inverted L, how far away from the tower should the wire be hung?

I would prefer to use the tower to support the vertical portion in order to get the feed point closer to the shack, and to be able to have the far end high enough in the tree to keep the bent angle considerably greater than 90 degrees.

Mike Duke, K5XU  
American Council of Blind Radio Amateurs

-----  
Date: Sat, 20 Dec 2003 13:12:38 -0500  
From: "Mike Czuhajewski" <wa8mcq@comcast.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Cc: "Mike Czuhajewski" <wa8mcq@comcast.net>  
Subject: [163444] DBMs for auction on eBay  
Message-ID: <005f01c3c724\$d9eddb60\$1402a8c0@Belkin>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Here's an interesting item on eBay that's quite a bargain if you can use it. It's a lot of 10 Merrimac double balanced mixers, packaged, with SMA connectors. (Mini Circuits is far from the only company that makes this sort of thing. Merrimac has been around quite a while, but not nearly as well known in the ham community.)

These are their model DMM-2-250, level 7 (+7 dBm LO drive), rated 1-500 MHz on the RF side, 0-500 MHz on the IF side. The data sheet can be seen at

[http://www.merrimacind.com/rfmw/data\\_sheets/D/Dmm2.pdf](http://www.merrimacind.com/rfmw/data_sheets/D/Dmm2.pdf)

The eBay item number is 2582278512. This auction has about 2 days left, with no bids so far. The minimum is \$29.99, and for ten of these that's quite a bargain, even considering the shipping charge. (Of course the SMA connectors could be a drawback for some people.) If ten is too many for you, you can always pass the extras along to other homebrewers.

I might bid on this one myself (although I wouldn't go very much above the minimum, being an old cheapskate), but I've already purchased a big pile of Mini Circuits splitter/combiners and directional couplers in the last couple weeks and need to take a deep breath and watch my wallet for a while :-)

While you're at it, click on "View sellers other items." When you see someone selling something like this and they have other items for auction, it's usually a surplus dealer with a lot of good microwave and RF parts, and well worth looking at.

73 and queue our pea DE WA8MCQ

-----  
Date: Sat, 20 Dec 2003 13:41:56 -0500  
From: "Patrick Schwarz" <kb8rtz@comcast.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [163445] D104 to IC718  
Message-ID: <007b01c3c728\$f21b4ac0\$48708318@ce1.client2.attbi.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Thanks to those who responded to my question. The mic I have is amplified.

Patrick...KB8RTZ...

-----  
Date: Sat, 20 Dec 2003 11:58:05 -0700  
From: "John Stevens" <jwstevens@concentric.net>  
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>  
Subject: [163446] FYBO!! It's getting closer!! (Long)  
Message-ID: <000001c3c72b\$340e9d40\$0201a8c0@k5js.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Well, I suppose it's time to start getting ready for FYB0. The fun little FREEZE YOUR BUNS OFF operating event sponsored by the Arizonia ScQRPions! There's been a fair bit of offline email traffic about various things related to FYB0, so it's about time to address some of them. These are the highlights with more detail to come. CAPS are for emphasis only.

WHEN IS IT? This year we'll move it back to February 8. This is about the original time of the event. It got moved last year to avoid conflicts with other events. February 8 seems to be a mostly quiet weekend.

OK, HOW LONG? Starts at 1600Z and goes 'til 2400Z. That's high noon Eastern and 9am Arizonia time no matter what else I said since I'm Z-challenged. You may see a little different times and dates elsewhere, but let's try to stick to this one here. :-)

OPERATING CATEGORIES: Single OP, Multi-Single, and new this year, Multi-Multi! Just like a real contest. The Multi-Multi was suggested by the NM group which sounds to me a lot like a challenge to the rest of you...

SCORING: Same as usual, EXCEPT there's an extra 100 points for using one of our little paddles and/or the Class E transmitter kit from last summer. Best hurry and build them up. W2AGN and a few others are gonna clean up on this one. This is a shameless reward for your support of the ScQRPions and Amateur Radio. Similar to the influence peddling scandal in judging one of our building contests at Ft. Tuthill a couple of years back. You know who you are.

REPORTING: We'd prefer electronic reporting of your Logs/Summary Sheets. Forms will be available somewhere soon. They can go to AzScQRPIONS@@covad.net (use only one @). This is also where you can ORDER your BONUS POINT PADDLE KITS!! :-) Sorry, the transmitters are all gone. You missed a good one.

AWARDS: Have to have awards to sucker you out to suffer in the cold weather like this. Award details will be coming in January. Paddle kits. Yep, the paddles. More than one. ScQRPion Logo Pins. There will be a minimum number of contacts for these. And Certificates.

Things will become more formalized as the days go by. Suggestions are tolerated. Announcements will come here on the list and there will be a website as well.

Put us on your calendar! I certainly intend to go out and suffer with you in the frigid 70F +/- desert. Thanks for your indulgence and support.

73 john k5js  
Az ScQRPions

-----  
Date: Sat, 20 Dec 2003 14:15:35 -0500  
From: "John Paul Keon" <jpkeon@nc.rr.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,  
    <njqrp@njqrp.org>, "liqrp" <liqrp@mailman.qth.net>  
Cc: <Buddipole@yahoogroups.com>, <ATRAIL@yahoogroups.com>  
Subject: [163447] Merry Christmas, Happy New Years, Happy Holidays  
Message-ID: <025201c3c72d\$ad275e40\$6601a8c0@nc.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="iso-8859-1"  
Content-Transfer-Encoding: 8bit

I just want to say Merry Christmas and Happy New Years to  
all the gang. Or Any other holiday you participate in at this  
joyous time of year.

My son is home for the first time in four (five) years. He has  
been overseas for Christmas and stationed away in the states  
for the last five years. He will be here hopefully, this Christmas  
day to open his presents with the family. Not in Iraq, not in  
Bahrain, and not somewhere in the desert of Saudi. For three  
years he was over there making it safer for us and trying to survive.  
So my radio time will be less and my family time more.

Most of all I won't see the name of his ship, the boarding party  
from his ship or the Seal team missing members this year. He will  
be here and we will be happier.  
In memory of the two friends of his that drowned on an Iraqi  
freighter the "IKEL" with drugs, arms and illegal oil that they  
confiscated, that sank in the Gulf with all 10 of his team on there,  
we will have a wonderful glorious Christmas here at my house.  
My son and 7 others survived the 30 foot seas and a moonless  
night for over 3 hours and were picked up. Two were not so  
fortunate, my son and I both will miss them, and one of the best  
Christmas presents was his safe return.  
Another happened the other day when they finally found "Mr.  
I Want to Negotiate" himself and put him in custody.

Looking forward to another year with the the group and a lot of  
outings and expeditions. I talked with Paul/AA4XX and others here  
recently and we plan to go to the mountains, the coast and  
here and there in-between too. So keep a watch and we will

see how it all works out. I have spoken with several of you and some have new gear, new camping gear, a newer larger Taj Mahal tent, and of course we have learned and fine tuned our camping traits to a point that I am sure we will have more fun this year and try out new antennas, new gear, and some new sets of paddles. We have several new members who also only work SSB so far and we will be operating on that part of the band too. So for those of you who do not do the CW part, don't fret, we will be in contact by voice too. I love this hobby, we are so gifted. I am hoping that someone in the group will come forth and show us some digital communications and hopefully we will get into the higher spectrums and delve to try that too. I am always open to new surroundings and ways to communicate.

Again, from my family to yours, Happy Holidays and Keep Safe.

John Paul, Raleigh, NC [AB4PP]//NNN UTV

<http://www.knightlites.org>

"We all take different paths in life, but no matter where we go, we take a little of each other everywhere."

-----  
Date: Sat, 20 Dec 2003 12:17:04 -0700  
From: Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>  
To: "'carlseye@tampabay.rr.com'" <carlseye@tampabay.rr.com>  
Cc: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>  
Subject: [163448] re: Op-amp for SWR bridge  
Message-ID: <7FD24C15A06DD511BF9E00D0B73E99520D734E33@az33exm05.corp.mot.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

I think that there are a lot of op-amps that could work in this application. The main characteristic for this application is an input range that extends down to the negative rail, and having the output be specified for rail-to-rail operation.

I would just look for a rail-to-rail input and output. That certainly covers the input range.

The input impedance of almost all op-amps is very high. Usually multi-meg ohm. Although this op-amp has unusually high input, I think it is probably overkill.

I think an LM358 would work in this application. Both the input and the out will go to ground which would work well as a DC amplifier for a SWR detector.

>Can anyone here point me to a source of the Intersil p/n  
> ca3160a ??  
> This morning I requested a sample from Elantec/intersil and they promised  
>me the would ship me a sample asap.!!  
> Well, just now they said, "sorry, we dont give samples of that p/n.!! All  
>the "distributors" they mentioned don't have the part either. I'd like to  
>build a low power wattmeter/swr meter, and need the part for it's special  
>input / output characteristics.  
>\ Any help out there??  
> thanks to all.  
> carl / kz5ca

-----  
Date: Sat, 20 Dec 2003 14:33:38 -0500  
From: John Sielke <jsielke@pobox.com>  
To: qrp-l@lehigh.edu  
Subject: [163449] Re: FYB0!! It's getting closer!! (Long)  
Message-ID: <3FE4A412.5040306@pobox.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

> SCORING: Same as usual, EXCEPT there's an extra 100 points for using one of  
> our little paddles and/or the Class E transmitter kit from last summer.  
> Best hurry and build them up. W2AGN and a few others are gonna clean up on  
> this one.

That would be:

100 points for Class E transmitter on 20  
100 points for Class E transmitter on 40  
100 points for Paddles.

??

Better score than I had last year and haven't even worked anybody ;-)

John W2AGN

-----  
Date: Sat, 20 Dec 2003 14:53:45 -0500  
From: "Fred \ (VE3FAL\)" <flesnick@tbaytel.net>  
To: <jwsteven@concentric.net>,

"'Low Power Amateur Radio Discussion'" <qrp-1@lehigh.edu>  
Subject: [163450] RE: FYBO!! It's getting closer!! (Long)  
Message-ID: <005f01c3c732\$fa72b6e0\$9f05d3d8@flesnick>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="us-ascii"  
Content-Transfer-Encoding: 7bit

As my buddy VA3WRL and myself were skiing through Kakabeka Park today we were thinking the same thing. We found a few spots that we could ski into and set up....We are going to see if we can get the Little Thunder QRP Club to head out for the day, if not Wayne and Myself will set up at one of the picnic benches and call FYBO from the park. Yes never too early to plan for this event...

Fred  
VE3FAL  
Thunder Bay, Ontario VE3LTQ Little Thunder QRP Club

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of John Stevens  
Sent: December 20, 2003 1:58 PM  
To: Low Power Amateur Radio Discussion  
Subject: FYBO!! It's getting closer!! (Long)

Well, I suppose it's time to start getting ready for FYBO. The fun little

FREEZE YOUR BUNS OFF operating event sponsored by the Arizonia ScQRPions!

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73 john k5js  
Az ScQRPions

-----  
Date: Sat, 20 Dec 2003 12:00:34 -0800  
From: Steve Smith <sigcom@juno.com>  
To: qrp-1@Lehigh.EDU  
Subject: [163451] Re: 73 Magazine Article  
Message-ID: <20031220.120034.2356.5.sigcom@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Jerry (and group),

The articles you refer to are: "The Tube Returns", 73 Magazine, Dec. 1982 and "Construct This Classic Transmitter" 73 Magazine, May 1983 both authored by Penn Clower W1BG. Excellent reading for tube fiddlers and scroungers, like me!

73.....Steve Smith, WB6TNL  
Oxnard, CA USA  
"Snort Rosin"

On Sat, 20 Dec 2003 10:55:07 -0700 "NR5A" <nr5a@rap.midco.net> writes:  
> A talk at our ham club meeting last night about regen radios has got  
> me  
> interested in playing with them again. I even dug out my 6C8 regen  
> rx out of  
> the shed.  
>  
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> transmitter. If I  
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> you could do to it. I think it used 6SN7's, maybe it was a single  
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> was built on a piece of wood. All I can remember about the  
> transmitter was I  
> think it worked 80 & 40m, and used a cheapie slide switch for the  
> bandswitch. I can almost picture the cover seems like it was green  
> and  
> yellow. But of course darn if I can find it now, it probably got  
> tossed  
> years ago. Anyone remember this? I'd like to get a copy of the  
> article, or  
> buy the mag if someone has it!

>  
> Thanks  
>  
> Jerry - NR5A - South Dakota  
>  
>  
>

---

The best thing to hit the internet in years - Juno SpeedBand!  
Surf the web up to FIVE TIMES FASTER!  
Only \$14.95/ month - visit [www.juno.com](http://www.juno.com) to sign up today!

---

Date: Sat, 20 Dec 2003 15:22:59 -0500 (Eastern Standard Time)  
From: "Pastor-kc1di" <elbc2@gwi.net>  
To: <k5xu@jam.rr.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [163452] Re: Inverted L question  
Message-ID: <3FE4AFA3.000001.01172@DOR>  
MIME-Version: 1.0  
Content-Type: Text/Plain  
Content-Transfer-Encoding: quoted-printable

=0D  
=0D

-----Original Message-----=0D

=0D

From: Mike Duke, K5XU=0D  
Date: Saturday, December 20, 2003 13:30:10=0D  
To: Low Power Amateur Radio Discussion=0D  
Subject: Inverted L question=0D

=0D

The end fed inverted L is a good way to fit at least a quarter wave for 8=  
0=0D

or 160 into a small yard. Like a quarter wave vertical, the inverted L=0D  
requires a good ground system for best results.=0D

=0D

I have the antenna for 160 which was sold by Jade Products as the "end fe=  
d=0D

Marconi." It's basically a quarter wave of twin lead with shorts in=0D  
appropriate places.=0D

=0D

I have a tree the right distance from my tower to support the far end of=0D  
this antenna.=0D

=0D

My question is that when using a tower to support the vertical portion of=

an=0D  
inverted L, how far away from the tower should the wire be hung?=0D  
=0D  
I would prefer to use the tower to support the vertical portion in order =  
to=0D  
get the feed point closer to the shack, and to be able to have the far en=  
d=0D  
high enough in the tree to keep the bent angle considerably greater than =  
90=0D  
degrees.=0D  
=0D  
=0D  
=0D  
Mike Duke, K5XU=0D  
American Council of Blind Radio Amateurs=0D  
=0D  
HI Mike,=0D  
I've found that a spacing off the tower of at least 12" is require. =0D  
73 Dave kc1di =0D  
=0D  
=0D  
=0D  
=2E

-----  
Date: Sat, 20 Dec 2003 15:27:59 -0500  
From: "Ken La Rose" <kenlar@csolve.net>  
To: <qrp-1@Lehigh.EDU>, "QRP-Canada" <qrp-canada@neale.gpfn.sk.ca>  
Cc: "Tom Hamblin" <hamblin@mirusinternational.com>,  
"Tom Curtola" <tcurtola@rogers.com>,  
Subject: [163453] Reminder: Sunday Morning SSB/QRP Net  
Message-ID: <004d01c3c737\$c2f7bc10\$b59fc018@D1YQV721>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello Gang!

Here's your invitation to join the Sunday Morning SSB/CW QRP Net. It's an informal gathering of regional QRPers meeting around 7.067 MHz, Sundays at 9:30 AM (ET).

Both SSB and CW check-ins are welcome. You don't have to be using QRP to participate, and all topics are open for discussion. QRP activities are the main focus, with an opportunity to socialize and receive reports on your QRP signal from all over.

Please join us any Sunday at 9:30 AM (ET), around 7.067 MHz. Listen for net control station VE3ELA on lower sideband, or break in if you hear a net participant, and they will relay.

72,

de Ken VE3ELA

-----  
Date: Sat, 20 Dec 2003 12:35:02 -0800 (PST)  
From: Lee Boulineau <n4mvl@yahoo.com>  
To: sigcom@juno.com,  
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [163454] Re: 73 Magazine Article  
Message-ID: <20031220203502.49749.qmail@web21202.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

OK - You've piqued my interest!! Now does anyone have copies of the two articles??

73 de N4MVL Lee

--- Steve Smith <sigcom@juno.com> wrote:  
> Jerry (and group),  
>  
> The articles you refer to are: "The Tube Returns",  
> 73 Magazine, Dec. 1982  
> and "Construct This Classic Transmitter" 73 Magazine,  
> May 1983 both  
> authored by Penn Clower W1BG. Excellent reading for  
> tube fiddlers and  
> scroungers, like me!  
>  
> 73.....Steve Smith, WB6TNL  
> Oxnard, CA USA  
> "Snort Rosin"  
>  
> On Sat, 20 Dec 2003 10:55:07 -0700 "NR5A"  
> <nr5a@rap.midco.net> writes:  
> > A talk at our ham club meeting last night about  
> regen radios has got  
> > me

> > interested in playing with them again. I even dug  
> out my 6C8 regen  
> > rx out of  
> > the shed.  
> >  
> > There was a article in a 73mag that featured a  
> regen and  
> > transmitter. If I  
> > remember  
> > right you could build it up one way, then the  
> article had differenent  
> > things  
> > you could do to it. I think it used 6SN7's, maybe  
> it was a single  
> > one. It  
> > was built on a piece of wood. All I can remember  
> about the  
> > transmitter was I  
> > think it worked 80 & 40m, and used a cheapie slide  
> switch for the  
> > bandswitch. I can almost picture the cover seems  
> like it was green  
> > and  
> > yellow. But of course darn if I can find it now,  
> it probably got  
> > tossed  
> > years ago. Anyone remember this? I'd like to get a  
> copy of the  
> > article, or  
> > buy the mag if someone has it!  
> >  
> > Thanks  
> >  
> > Jerry - NR5A - South Dakota  
> >  
> >  
> >  
>  
>

---

> The best thing to hit the internet in years - Juno  
> SpeedBand!  
> Surf the web up to FIVE TIMES FASTER!  
> Only \$14.95/ month - visit [www.juno.com](http://www.juno.com) to sign up  
today!

---

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-----  
Date: Sat, 20 Dec 2003 15:50:59 -0500  
From: "Ron Polityka" <wb3aal@verizon.net>  
To: ".QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [163455] AT in PA on Sunday  
Message-ID: <003301c3c73a\$f902d990\$0200a8c0@WB3AAL>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello,

Ed, WA3WASJ and I plan on doing a hike to the Pulpit Rock area. I will be taking my K1 and the WA3WSJ's portable antenna. I might be on the air around 14:00 to 15:00 UTC.

Look for me on 40, 30 or 20 meters around the usual QRP freq.

72 and Thanks,  
Ron Polityka  
WB3AAL  
[www.n3epa.org/](http://www.n3epa.org/)

-----  
Date: Sat, 20 Dec 2003 15:54:55 -0500  
From: <bill@n4qa.com>  
To: <qrp-l@Lehigh.EDU>  
Subject: [163456] Wow...twenty is HOT!  
Message-ID: <000701c3c73b\$87ad8640\$9c24ad80@f1n5n8>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Was tuning around the RTTY subband on 20 with the DSW-20-RTTY rig while ago and saw Bob, N4BP workin' 'em left and right in the OK RTTY test. Took me a while, but Bob finally pulled my call out of the din. Bob's signal was so strong I had to turn the DSW's rf 'gain' pot all the way down(maximum attenuation).

Not only that...his signal was so monstrous, I was also printing him on my monitor setup(IC-703 and daughter Emily's old college PC)...with only a meter lead for an antenna!

I'm stuck on 20 for a while...what have the other bands been like today y'all?

Making a little progress on the DSWMULTI software this weekend...

73.

Bill, N4QA

<http://www.n4qa.com>

-----  
Date: Sat, 20 Dec 2003 15:55:28 -0500  
From: Alex <kr1st@amsat.org>  
To: myetsko@insydesw.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [163457] Re: FT-817  
Message-ID: <3FE4B740.896244E4@amsat.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Mike Yetsko wrote:

> Hey, "I" wasn't gonna start that topic again!!  
>  
> Although I have to admit I've been looking at that FT-897PACK1  
> setup with the battery and ATU...

For the longest time I've been looking at the 817, and then my eye fell on the 897 because of the rebate. Boy, that's one versatile radio if portability, but not necessarily pedestrian mobile, is required. Looks like a darn good radio for things like field day and travel. I really like the fact of having the extra punch available when needed. Has a decent DSP , too.

I hope someone will make a manual bolt on tuner for it. If I had the tools I'd probably working on it right now. Even before buying the rig. :) I guess you don't really need one if you use the ATAS-120. Hmmm....

73,

--Alex KR1ST

<http://www.kr1st.com>

-----



Date: Sat, 20 Dec 2003 13:12:36 -0800 (PST)  
From: Patrick Gardella <pgardella@yahoo.com>  
To: njqrp@njqrp.org, qrp-1@Lehigh.EDU  
Subject: [163458] FS: Kits, parts, and projects of all sorts (RockMite, Rainbow Tuner, etc)  
Message-ID: <20031220211236.27065.qmail@web40909.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Happy Holidays to all!

Just got done cleaning out my shack and reorganizing. Time to sell some of these kits that I've had laying around waiting to be built or used.

I figure that things are worth what people are willing to pay for them. So I based these prices on what they originally sold for, or what others have sold them for on these lists. If you don't agree with the price, make an offer.

73,  
Patrick N3EO

RockMite 40m built in Altoids tin - \$35.00 post paid  
-> Built in a "Sqyntz!" Altoids-type tin with BNC antenna jack, freq shift button, 3.5 mm stereo jacks (paddles and earphone) and external power jack. Works fine. Email me for photos.

Rainbow Tuner by NJQRP - \$25.00 post paid  
-> [http://www.njqrp.org/Rainbow/rb\\_home.html](http://www.njqrp.org/Rainbow/rb_home.html)  
-> Partially built. Includes N type battery and Altoids tin.

Halfer Antenna by N2CX - \$7.50 post paid  
-> <http://www.njqrp.org/n2cxantennas/halfer/halfer.html>  
-> End fed antenna for 40m or 30m (cut for 40m)  
-> Never used.

"Sniffer" Field Strength Meter by N2CX - \$20.00 post paid  
-> <http://www.njqrp.org/sniffer/index.html>  
-> Kit from Atlanticon 2003. Never built and kit never opened.

Grid Dip Oscillator - \$8.00 + shipping  
-> This one is old. I was told it worked when I bought it, but I haven't tried it. I figure shipping will be around \$5.00-\$8.00 UPS.

12V DC Battery Monitor - \$7.50 post paid

-> <http://www.rainbowkits.com/kits/vm-1p.html>

-> Built and works fine.

Two IR Laser Diodes - \$7.50 each plus shipping (Each 1.4 lbs)

-> Same model used on Sam's laser FAQ page

-> <http://repairfaq.cis.upenn.edu/sam/laserdio.htm#diolpv0>

-> <http://www.mpja.com/directview.asp?product=12102+LZ>

-> Originally purchased to build a laser comms system

-> Never used/still in original packaging with data sheet.

uP Based Battery Monitor by KD1JV - \$10.00 post paid

-> See Steven's announcemnt email below for more info.

-> Never built (kit never opened)

Date: Fri, 08 Nov 2002 14:41:40 -0500

From: Steven Weber <kd1jv@moose.ncia.net>

To: qrp-l@lehigh.edu

Subject: [139645] KITS: programmable battery voltage monitor

Message-ID: <3.0.6.32.20021108144140.007b59d0@mailhost.ncia.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Gang,

I made a little battery voltage monitor last night, using a 8 pin CPU (Atmel Tiny15L) I have it set up to monitor Gel-Cells. Using a bi-color LED, the green light is on if the battery is over 11.5 volts, it turns orange (by alturnating between red and green, quickly) between 11.5 and 11.0 volts and red below 11 volts. You can also program it for your own custom voltage trip points, if you want to use it with other types or voltage batteries. (you need to have a variable supply to set the trip points)

It draws about 10 ma ( 5 for the cpu and 5 for the led), so you might want to wire it up with a NO push button, so it's not on all the time.

I'm not going to bother having a circuit board made for it, because it only uses a few parts - the cpu, low power voltage regulator, three resistors and two caps. Will only take a few minutes to wire it up on a small piece of perf-board.

-----  
Do you Yahoo!?

New Yahoo! Photos - easier uploading and sharing.

<http://photos.yahoo.com/>

-----  
Date: Sat, 20 Dec 2003 16:38:56 -0500  
From: Peter Burbank <peterlee@qx.net>  
To: qrp-l@lehigh.edu  
Subject: [163459] RE:Op amp for swr bridge  
Message-ID: <5.2.0.9.0.20031220163541.00a2ab60@mail.qx.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

I have a stash of CA3140s. They go rail to rail. Whoever wanted op amps can send me an sase for a couple freebies.  
Pete NV4V

-----  
Date: Sat, 20 Dec 2003 18:06:02 -0500  
From: "Lawrence Makoski" <Makos327@worldnet.att.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>, "Flying Pigs" <fpqrp-l@fpqrp.com>  
Subject: [163460] Happy Holidays  
Message-ID: <003b01c3c74d\$d7934cf0\$45d64b0c@larrysahyqy001>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

To all,

As the last few days of the hustle and bustle of the season wind down, I'd like to take the opportunity to wish you all a very Merry Christmas, Happy Chanukah (my apologies if that's spelled wrong!) or whatever it is that you celebrate with your families.

My wishes to for all of you for 2004:

May the Morse always flow like music in your ears and be a tonic for your brain.

May all your QSO's be 599

May your antennas never freeze.

May you finally get that last country, province, prefix, county or state that you need for whatever award you're chasing.

May your solder always flow easy and true.

May your troubleshooting problems always be minor and easy.

May that screw, washer, nut, spring or SMD device never leave your hands

at the wrong time and disappear into the twilight zone forever!

But most important of all, best wishes for a happy and healthy 2004 - for you and your families. Godspeed and a "hurry home" for those who are away or will be going away to serve with the Armed Forces.

73 de Larry W2LJ - Vivat Morse!

W2LJ@arrl.net  
<http://www.qsl.net/w2lj>

ARRL Lifemember QRP ARCI #4488 NJQRP #47  
FISTS #1469 QRP-L #778 FP #612 QRPp-I #759  
ARS #1528 --- K1 #1647 --- AmQRP, CQC #746

-----  
Date: Sat, 20 Dec 2003 18:02:32 -0500  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <kr1st@amsat.org>  
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [163461] Re: FT-817  
Message-ID: <001e01c3c74d\$5c7cd540\$0200a8c0@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

----- Original Message -----  
From: "Alex" <kr1st@amsat.org>  
To: <myetsko@insydesw.com>  
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Saturday, December 20, 2003 3:55 PM  
Subject: Re: FT-817

> Mike Yetsko wrote:  
>  
> > Hey, "I" wasn't gonna start that topic again!!  
> >  
> > Although I have to admit I've been looking at that FT-897PACK1  
> > setup with the battery and ATU...  
>

> For the longest time I've been looking at the 817, and then my eye fell  
> on the 897 because of the rebate. Boy, that's one versatile radio if  
> portability, but not necessarily pedestrian mobile, is required. Looks  
> like a darn good radio for things like field day and travel. I really  
> like the fact of having the extra punch available when needed. Has a  
> decent DSP , too.  
>  
> I hope someone will make a manual bolt on tuner for it. If I had the  
> tools I'd probably working on it right now. Even before buying the rig.  
> :) I guess you don't really need one if you use the ATAS-120. Hmmm....  
>  
> 73,  
> --Alex KR1ST  
> <http://www.kr1st.com>  
>

The 817 is a 'portable', not just a 'transportable'. I think of the 817  
as  
more of a 'carry and use' type radio, but the 897 is more of a 'grab  
and go' type of radio.

Mike

-----  
Date: Sat, 20 Dec 2003 18:22:09 -0500  
From: "Brian Riley (maillist)" <n1bq\_list@wulfden.org>  
To: <jwstevens@concentric.net>,  
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [163462] Re: FYBO!! It's getting closer!! (Long)  
Message-ID: <BC0A43D1.1BA93%n1bq\_list@wulfden.org>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

The 8th is a Sunday. Is this correct or will it be Saturday February 7th  
??????

On 12/20/03 1:58 PM, "John Stevens" <jwstevens@concentric.net> wrote:

> Well, I suppose it's time to start getting ready for FYBO. The fun little  
> FREEZE YOUR BUNS OFF operating event sponsored by the Arizonia ScQRPions!  
> There's been a fair bit of offline email traffic about various things  
> related to FYBO, so it's about time to address some of them. These are the  
> highlights with more detail to come. CAPS are for emphasis only.

>  
> WHEN IS IT? This year we'll move it back to February 8. This is about the  
> original time of the event. It got moved last year to avoid conflicts with  
> other events. February 8 seems to be a mostly quiet weekend.  
>  
> OK, HOW LONG? Starts at 1600Z and goes 'til 2400Z. That's high noon  
> Eastern and 9am Arizona time no matter what else I said since I'm  
> Z-challenged. You may see a little different times and dates elsewhere, but  
> let's try to stick to this one here. :-)

-----  
End of QRP-L Digest 3140

\*\*\*\*\*  
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